

Title (en)

PLASTIC DEPOLYMERIZATION USING FLUORINATED ALUMINA

Title (de)

KUNSTSTOFFDEPOLYMERISATION UNTER VERWENDUNG VON FLUORIERTEM ALUMINIUMOXID

Title (fr)

DÉPOLYMERISATION DE MATIÈRES PLASTIQUES À L'AIDE D'ALUMINE FLUORÉE

Publication

EP 4021964 A1 20220706 (EN)

Application

EP 20780566 A 20200825

Priority

- US 201962893398 P 20190829
- EP 2020073754 W 20200825

Abstract (en)

[origin: US2021061972A1] A method of depolymerizing plastics using a fluorinated alumina catalyst is described herein. The method reduces the energy required for the depolymerization process while achieving improved depolymerization results.

IPC 8 full level

C08J 11/16 (2006.01); **C08L 23/02** (2006.01)

CPC (source: EP US)

B01J 27/125 (2013.01 - US); **C08J 11/16** (2013.01 - EP US); **C10G 1/10** (2013.01 - US); **C08J 2323/02** (2013.01 - EP); **C08J 2323/06** (2013.01 - EP US); **C08J 2323/08** (2013.01 - EP); **C08J 2323/10** (2013.01 - EP); **C08J 2323/12** (2013.01 - US); **C10G 2300/1003** (2013.01 - US); **C10G 2400/20** (2013.01 - US); **Y02W 30/62** (2015.05 - EP)

Citation (search report)

See references of WO 2021037851A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (application)

US 202017001832 A 20200825; CN 202080060342 A 20200825; EP 2020073754 W 20200825; EP 20780566 A 20200825